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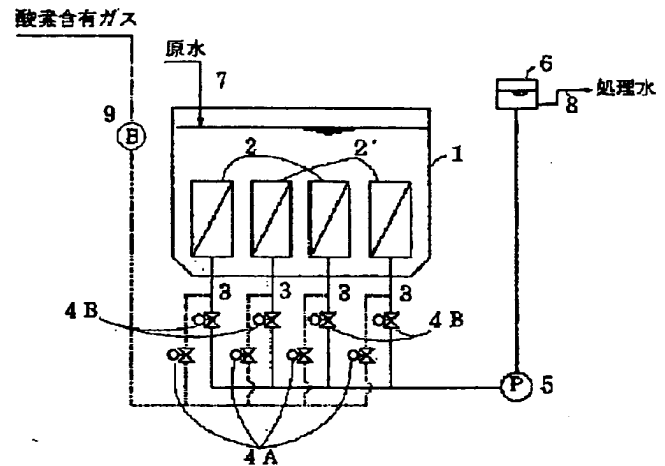
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TITLE : WATER TREATING APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To stably operate a water treating apparatus without lowering the filtration efficiency by connecting a pipeline for supplying an oxygen-containing gas fulfilling a bubble generating function and a filtration function alternately and a pipeline communicating with a suction pump to a water purifying means composed of a porous membrane installed in a mixing vessel through a switching valve.

SOLUTION: Raw water flowing in a mixing vessel 1 from a raw water flowing pipe 8 is treated with an activated sludge to decompose an organic contaminant. An oxygen-containing gas is fed to the mixing vessel 1 from a porous membrane 2 communicating with a switching valve 4A in an opened state and a switching valve 4B in a closed state to dissolve oxygen necessary for the activity of the activated sludge. On the other hand, the treated water solid-liquid-separated by the porous membranes 2, 2' communicating with the switching valve 4A in the closed state and the switching valve 4B in the opened state is discharged outside from the mixing vessel 1. After that, the opening and closing states of the switching valves 4A and 4B communicating with the porous membranes 2, 2' are switched to exchange the functions so as to suck the treated water through the porous membrane 2 and to supply the oxygen-containing gas to the mixing vessel 1 through the membrane 2'.

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